

Serial No.: 09/785,207
Your Reference: OP1130-US
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PROPOSED CLAIM AMENDMENTS

1. (CURRENTLY AMENDED) A program development device developing an application program using a component having a plurality of interfaces, comprising:
 - a component selecting module having said component selected;
 - an interface selection module having said interface selected for said selected component, and automatically setting whether said selected interface is permitted to be embedded into said application program or not in accordance with preset information indicative of usable interfaces corresponding to said selected component;
 - a recording unit retaining a set record of setting whether said interface is permitted to be embedded into said application program or not; and
 - an edit module supporting the development of the program by use of said interface set to be permitted to be embedded into said application program or said interface that is not set to be inhibited to be embedded into said application program in accordance with the set record.
2. (PREVIOUSLY PRESENTED) The program development device according to claim 1, further comprising a specifying module specifying one of the plurality of set records, wherein said edit module supports the development of the program by use of said interface set to be permitted to be embedded into said application program in the specified set record or said interface that is not set to be inhibited to be embedded into said application program in the specified set record.
3. (PREVIOUSLY PRESENTED) The program development device according to claim 1, further comprising:
 - a group definition module defining a group consisting of a plurality of users; and
 - a group specifying module specifying a usable set record with respect to the group.
4. (CURRENTLY AMENDED) A program development device developing an application program by combining components having a plurality of interfaces, comprising:
 - a layout component selection module selecting said layout component which lays out a plurality of components to be laid out;
 - a laid-out component selection module selecting one of said plurality of components to

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be laid out in said selected layout component;

a prescribing module prescribing a layout specification for laying out said laid-out components, the layout specification being automatically prescribed in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding to each of the plurality of components;

a recording unit retaining a layout specification record of the prescribed layout specification; and

an edit module supporting a development of the application program by laying out said laid-out components in said layout component in accordance with the layout specification record; and

a group definition module defining a group having a plurality of users.

5. (PREVIOUSLY PRESENTED) The program development device according to claim 4, further comprising a specification designating module designating one of a plurality of layout specification records,

wherein said edit module supports the development of the program by use of the layout specification prescribed in the designated layout specification record.

6. (PREVIOUSLY PRESENTED) The program development device according to claim 4, further comprising:

a specification designating module designating the layout specification record applicable to said application program developed by the group.

7. (CURRENTLY AMENDED) A program development method of developing an application program by use of a component having a plurality of interfaces, comprising:

selecting said component;

selecting said interface for said selected component;

automatically setting whether said selected interface is permitted to be embedded into said application program or not in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding to said selected component;

recording whether said selected interface is permitted to be embedded into said

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application program or not; and

developing the program by use of said interface set to be permitted to be embedded in to said application program or said interface that is not set to be inhibited to be embedded into said application program in accordance with the above recording.

8 (CURRENTLY AMENDED) A program development method of developing an application program by combining components having a plurality of interfaces, comprising:
selecting said components which lays out a plurality of components;
selecting said plurality of components to be laid out in said selected layout component;
automatically prescribing a layout specification for laying out said plurality of components in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding to said selected plurality of components to be laid out for the program development;
recording the prescribed layout specification;
developing the program by laying out said plurality of components in said layout component in accordance with the layout specification; and
defining a group having a plurality of users.

9. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded with a program supporting a development of an application program by use of a component having a plurality of interfaces, said program executed by a computer, comprising:
selecting said component;
selecting said interface for said selected component;
automatically setting whether said selected interface is permitted to be embedded into said application program or not in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding to said selected component;
recording whether said selected interface is permitted to be embedded into said application program or not; and
developing the program by use of said interface set to be permitted to be embedded into said application program or said interface that is not set to be inhibited to be embedded into said application program in accordance with the above recording.

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10. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded with a program supporting a development of an application program by combining components having a plurality of interfaces, said program executed by a computer, comprising:

- selecting said component which lays out a plurality of components;
- selecting said component to be laid out in said selected layout component;
- automatically prescribing a layout specification for laying out said plurality of components in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding to said component to be laid out;
- recording the prescribed layout specification;
- developing the program by laying out said plurality of components in said layout component in accordance with the layout specification; and
- defining a group having a plurality of users.

11. (CURRENTLY AMENDED) A data communication signal embodied in a carrier wave containing a program code module supporting a development of an application program by use of a component having a plurality of interfaces, said program code module executed by a computer, comprising:

- selecting said component;
- selecting said interface for said selected component;
- automatically setting whether said selected interface is permitted to be embedded into said application program or not in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding said selected component;
- recording whether said selected interface is permitted to be embedded into said application program or not; and
- developing the program by use of said interface set to be permitted to be embedded into said application program or said interface that is not set to be inhibited to be embedded into said application program in accordance with the above recording.

12. (CURRENTLY AMENDED) A data communication signal embodied in a carrier wave containing a program code module supporting a development of an application program by

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combining components having a plurality of interfaces, said program code module executed by a computer, comprising:

- selecting said component which lays out a plurality of components;
- selecting said plurality of components to be laid out in said selected layout component;
- automatically prescribing a layout specification for laying out said plurality of components in accordance with preset information indicative of usable interfaces among the plurality of interfaces corresponding said plurality of components;
- recording the prescribed layout specification;
- developing the program by laying out said plurality of components in said layout component in accordance with the layout specification; and
- defining a group having a plurality of users.

13. (CURRENTLY AMENDED) A method of developing an application program by combining components having multiple interfaces, comprising:

associating at least one usable interface among the multiple interfaces with each of the components for developing the application program;

displaying the at least one usable interface associated with each of a component among the components responsive to a selected selection of the component for developing the application program, said displaying being executed without requiring knowledge of said associating; and

developing the application program using the selected component with the displayed at least one usable interface.

14. (NEW) A method of developing an application program by combining components having multiple interfaces, comprising:

providing a first list of usable interfaces responsive to a first component being selected and providing a second list of usable interfaces different from the first list responsive to a second component being selected; and

developing the application program using the first component by selecting from the first list of usable interfaces and using the second component by selecting from the second list of usable interfaces.